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Polyester prodn. - of excellent colour tone free from aldehyde(s), useful for food-packaging containers

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Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 56055426	A	19810516			198127	B
JP 88017090	B	19880412			198818	

Priority Applications (No Type Date): JP 79131510 A 19791012

Abstract (Basic): JP 56055426 A

Polyester is produced by treating polyester grain contg. ethylene glycol as the main glycol component and having a limiting viscosity of above 0.3 and bulk density of 0.5-1.1 g/cc with hot water held at 50-200 deg.C, and then heating the polyester resin at below the m.pt. of the polyester under reduced pressure on in a stream of inert gas to such an extent that the limiting viscosity of heat treated polyester (η_a) is $(\eta_a)' -0.1$ to $(\eta_a)' +0.6$ (where $(\eta_a)'$ is the limiting viscosity of untreated polyester). The polyester is pref. PET. treatment temp. is 200-225 deg.C, and preheated inert gas, is introduced into the system.

High quality polyester grain has excellent colour tone and is free from aldehydes. The polyester grain is used profitably as the material for food-packing vessels, coated paper vessels, etc.

Derwent Class: A23

International Patent Class (Additional): C08G-063/76; D01F-006/62